

**Listing of Claims:**

1. (currently amended): A method for depositing material on a substrate comprising the steps of:
  - a. entraining particles of the material within a stream of co-flowing fluid, the fluid comprising a gas;
  - b. propelling the particles toward a substrate using the fluid; and
  - c. depositing the particles on a substrate.
2. (canceled)
3. (currently amended): The method of claim [[2]] 1 wherein the gas comprises air.
4. (previously presented): The method of claim 1 wherein the entraining step comprises limiting lateral spreading of the particles.
5. (previously presented): The method of claim 1 wherein the stream is substantially hollow.
6. (previously presented): The method of claim 5 wherein the entraining step comprises forming a sheath or barrier around said particles.
7. (previously presented): The method of claim 1 wherein the propelling step comprises propelling the particles at a velocity higher than achievable by optical propulsion.
8. (previously presented): The method of claim 1 wherein the depositing step comprises precisely depositing the particles in desired locations on the substrate.
9. (previously presented) The method of claim 1 further comprising the step of applying a laser beam to the particles.

10. (previously presented): The method of claim 9 wherein the applying step occurs as the particles contact the substrate.

11. (previously presented): The method of claim 9 wherein the applying step occurs after the particles contact the substrate.

12. (previously presented): The method of claim 9 wherein the applying step occurs as the particles are being propelled by the fluid.

13. (previously presented): The method of claim 9 wherein the applying step comprises modifying at least one property of the particles.

14. (previously presented): The method of claim 9 wherein the applying step further comprises holding the particles in place on the substrate.

15. (previously presented): The method of claim 1 wherein the fluid comprises a liquid.

16. (previously presented): The method of claim 15 further comprising the step of modifying at least one property of the particles with the liquid.

17. (previously presented): The method of claim 1 wherein the particles comprise liquid droplets.

18. (previously presented): The method of claim 17 wherein the liquid droplets comprise a precursor.

19. (previously presented): The method of claim 18 further comprising the step of processing the precursor to obtain a desired substance.

20. (previously presented) The method of claim 18 further comprising the step of reacting the precursor with solids suspended in the droplets to obtain a desired substance.

21. (previously presented): The method of claim 1 further comprising the step of immersing the particles in an immersion fluid.

22. (previously presented): The method of claim 21 wherein the immersion fluid comprises a liquid.

23. (previously presented): The method of claim 22 wherein the liquid comprises an aqueous liquid.

24. (previously presented): The method of claim 21 wherein the fluid comprises a gas.

25. (previously presented): The method of claim 24 wherein the gas comprises an inert gas.

26. (previously presented): The method of claim 21 wherein the immersing step comprises modifying at least one property of the particles.

27. (previously presented): The method of claim 1 wherein the particles comprise at least one item selected from the group consisting of metals, alloys, semiconductors, plastics, glasses, aerosols, solid precursors, liquid precursors, liquid droplets containing dissolved materials, liquid droplets containing colloidal particles, and liquid droplets containing suspensions.

28. (previously presented): The method of claim 1 wherein the particles comprise biological material.

29. (previously presented): The method of claim 28 wherein the biological material comprises living cells or tissue.

30. (previously presented): The method of claim 29 further comprises the step of immersing the living cells or tissue in a liquid comprising nutrients necessary for growth and/or sustenance of the living cells or tissue.

31. (previously presented): The method of claim 1 wherein the substrate comprises at least one item selected from the group consisting of semiconductors, plastics, metals, alloys, ceramics and glasses.

32. (previously presented): The method of claim 1 wherein the depositing step comprises heating the substrate.

33. (previously presented): A product selected from the group consisting of micron-size surface structures, electrical circuits, semiconductor chips, and micro-electronic-mechanical system (MEMS) devices made according to the method of claim 1.

34. (currently amended): An apparatus for depositing material on a substrate comprising:  
a supply of particles of the material; and  
a fluid supply;  
wherein fluid from the fluid supply comprises a gas and propels the material to the substrate.

35. (canceled)

36. (currently amended):        The apparatus of claim ~~[[35]]~~ 34 wherein the gas comprises air.
37. (previously presented)       The apparatus of claim 34 wherein the material is propelled at a velocity higher than achievable by optical propulsion.
38. (previously presented):       The apparatus of claim 34 further comprising a laser beam.
39. (previously presented):       The apparatus of claim 38 wherein the laser beam modifies at least one property of the particles.
40. (previously presented):       The apparatus of claim 38 wherein the laser beam holds the particles in place on the substrate.
41. (previously presented):       The apparatus of claim 34 wherein the fluid limits lateral spreading of the particles.
42. (previously presented):       The apparatus of claim 34 wherein the particles comprise at least one item selected from the group consisting of metals, alloys, semiconductors, plastics, glasses, aerosols, liquid chemical droplets, solid precursors, liquid precursors, liquid droplets containing dissolved materials, liquid droplets containing colloidal particles, and liquid droplets containing suspensions.
43. (previously presented):       The apparatus of claim 34 further comprising a chamber comprising an immersion fluid which immerses the substrate.
44. (previously presented):       The method of claim 43 wherein the immersion fluid comprises a liquid.

45. (previously presented): The method of claim 44 wherein the liquid comprises an aqueous liquid.
46. (previously presented): The method of claim 43 wherein the immersion fluid comprises a gas.
47. (previously presented): The method of claim 46 wherein the gas comprises an inert gas.
48. (previously presented): The apparatus of claim 43 wherein the immersion fluid modifies at least one property of the particles.
49. (previously presented): The apparatus of claim 43 wherein the particles comprise biological material.
50. (previously presented): The apparatus of claim 49 wherein the biological material comprises living cells or tissue.
51. (previously presented): The apparatus of claim 50 wherein the immersion fluid comprises nutrients necessary for growth and/or sustenance of the living cells or tissue.
52. (previously presented): The apparatus of claim 34 wherein the substrate comprises at least one item selected from the group consisting of semiconductors, plastics, metals, alloys, ceramics and glasses.
53. (previously presented): The apparatus of claim 34 wherein the fluid comprises a liquid.
54. (previously presented): The apparatus of claim 53 wherein at least one property of the particles is modified by the liquid.

55. (previously presented): The apparatus of claim 34 wherein the particles comprise liquid droplets.

56. (previously presented): The apparatus of claim 55 wherein the liquid droplets comprise a precursor.

57. (previously presented): The apparatus of claim 56 wherein the precursor is processed to obtain a desired substance.

58. (previously presented) The apparatus of claim 56 wherein the precursor is reacted with the particles to obtain a desired substance.